

ATTORNEY DOCKET NO. 14114.033203  
 SERIAL NO. 09/826,115  
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE  LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		ATTORNEY DOCKET NO.: 14114.033203  APPLICANT: Chang  FILING DATE: April 4, 2001		SERIAL NO. 09/826,115  GROUP: <u>Unassigned</u> 1648		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
AA	5,514,375	05/07/96	Paoletti et al.	424	199.1	
AB	5,494,671	02/27/96	Sai et al.	424	218.1	
AC	5,229,293	07/20/93	Matsuda et al.	435	320.1	
AD	5,021,347	06/04/91	Yasui et al.	435	235	
AE	4,810,492	03/07/89	Fujita et al.	424	88	
FOREIGN PATENT DOCUMENTS						
AF	WO 99/63095	12/09/98	PCT			
AG	WO 93/06214	04/01/93	PCT			
AH	WO 92/03545	03/05/92	PCT			
AI	WO 90/01946	03/08/90	PCT			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
AJ	Abstract, Japanese Patent Publication No. JP 05276941 "Non-infective structure particle preparation, useful as vaccine - by infecting preliminary flavivirus infected cell with cDNA integrated recombinant vaccinia virus, and then separating non-infective structure particles containing E protein of flavivirus," (October 26, 1993)					
AK	Deubel et al., Nucleotide Sequence and Deduced Amino Acid Sequence of the Nonstructural Proteins of Dengue Type 2 Virus, Jamaica Genotype: Comparative Analysis of the Full-Length Genome. <i>Virology</i> . 165: 234-244 (1988)					
AL	Davis et al., West Nile Virus Recombinant DNA Vaccine Protects Mouse and Horse from Virus Challenge and Expresses in Vitro a Noninfectious Recombinant Antigen That Can Be Used in Enzyme-linked Immunosorbent Assays. <i>J. Virol.</i> 75(9): 4046-4047 (2001) (published on-line April 4, 2001)					
AM	Konishi et al., Generation and Characterization of a Mammalian Cell Line Continuously Expressing Japanese Encephalitis Virus Subviral Particles. <i>J. Virol.</i> 75(5): 2204-2212 (2001)					
AN	Asnis et al., The West Nile Virus Outbreak of 1999 in New York: The Flushing Hospital Experience. <i>Clin. Infect. Dis.</i> 30: 413-418 (2000)					
AO	Chang et al., A Single Intramuscular Injection of Recombinant Plasmid DNA Induces Protective Immunity and Prevents Japanese Encephalitis in Mice. <i>J. Virol.</i> 74(9):4244-4252 (2000)					
AP	Garmendia et al., Recovery and Identification of West Nile Virus from a Hawk in Winter. <i>Clin. Microbiol.</i> 38(8): 3110-3111 (2000)					

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AO	Johnson et al., Detection of Anti-Arboviral Immunoglobulin G by Using a Monoclonal Antibody-Based Capture Enzyme-Linked Immunosorbent Assay. <i>J. Clin. Microbiol.</i> 38(5): 1827-1831 (2000)
AS	Martin et al., Standardization of Immunoglobulin M Capture Enzyme-Linked Immunosorbent Assays for Routine Diagnosis of Arboviral Infections. <i>J. Clin. Microbiol.</i> 38(5): 1823-1826 (2000)
AS	Update: Surveillance for West Nile Virus in Overwintering Mosquitoes --- New York, 2000. <i>Morb. Mortal. Wkly. Rep.</i> 49(09): 178-179 (Mar. 10, 2000)
AT	Update: West Nile Virus Activity --- Northeastern United States, 2000. <i>Morb. Mortal. Wkly. Rep.</i> 49(36): 820-822 (Sept. 15, 2000)
AU	Aberle et al., A DNA Immunization Model Study with Constructs Expressing the Tick-Borne Encephalitis Virus Envelope Protein E in Different Physical Forms. <i>J. Immunol.</i> 163: 6756-6761 (1999)
AV	Anderson et al., Isolation of West Nile Virus from Mosquitoes, Crows, and a Cooper's Hawk in Connecticut. <i>Science</i> 286: 2331-2333 (Dec. 17, 1999)
AW	Azevedo et al., Main features of DNA-based immunization vectors. <i>Braz. J. Med. Biol. Res.</i> 32(2): 147-153 (1999)
AX	Jia et al., Genetic analysis of West Nile New York 1999 encephalitis virus. <i>Lancet</i> 354: 1971-1972 (Dec. 4, 1999)
AY	Lanciotti et al., Origin of the West Nile Virus Responsible for an Outbreak of Encephalitis in the Northeastern United States. <i>Science</i> 286: 2333-2337 (Dec. 17, 1999)
AZ	Mir et al., High-efficiency gene transfer into skeletal muscle mediated by electric pulses. <i>Proc. Nat. Acad. Sci. USA</i> 96: 4262-4267 (1999)
BA	Ho et al., DNA vaccination induces a long-term antibody response and protective immunity against pseudorabies virus in mice. <i>Arch. Virol.</i> 143: 115-125 (1998)
BB	Konishi et al., Induction of Protective Immunity against Japanese Encephalitis in Mice by Immunization with a Plasmid Encoding Japanese Encephalitis Virus Premembrane and Envelope Genes. <i>J. Virol.</i> 72(6): 4925-4930 (June 1998)
BC	Kuno et al., Phylogeny of the Genus <i>Flavivirus</i> . <i>J. Virol.</i> 72(1): 73-83 (Jan. 1998)
BD	Lin et al., DNA Immunization with Japanese Encephalitis Virus Nonstructural Protein NS1 Elicits Protective Immunity in Mice. <i>J. Virol.</i> 72(1): 191-200 (Jan 1998)
BE	Klinman et al., CpG motifs as immune adjuvants. <i>Vaccine</i> 17: 19-25 (1999)
BF	Kochel et al., Inoculation of plasmids expressing the dengue 2 envelope gene elicit neutralizing antibodies in mice. <i>Vaccine</i> 15(5): 547-552 (1997)
BG	Wang et al., Immune Response to Neonatal Genetic Immunization. <i>Virology</i> 228: 278-284 (1997)
BH	Dmitriev et al., Immunization with recombinant vaccinia viruses expressing structural and part of the nonstructural region of tick-borne encephalitis virus cDNA protect mice against lethal encephalitis. <i>J. Biotechnol.</i> 44: 97-103 (1996)
BI	Hennessey et al., Effectiveness of live-attenuated Japanese encephalitis vaccine (SA14-14-2): a case-control study. <i>Lancet</i> 347: 1583-1586 (1996)
BJ	Phillipotts et al., Immunization with DNA polynucleotides protects mice against lethal challenge with St. Louis encephalitis virus. <i>Arch. Virol.</i> 141: 743-749 (1996)
BK	Sato et al., Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization. <i>Science</i> 273: 352-354 (1996)
BL	Allison et al., Synthesis and Secretion of Recombinant Tick-Borne Encephalitis Virus Protein E in Soluble and Particulate Form. <i>J. Virol.</i> 69(9): 5816-5820 (Sept 1995)
BM	Chen et al., Construction of Intertypic Chimeric Dengue Viruses Exhibiting Type 3 Antigenicity and Neurovirulence for Mice. <i>J. Virol.</i> 69(8): 5186-5190 (Aug 1995)

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BN	dos Santos et al., Complete nucleotide sequence of yellow fever virus vaccine strains 17DD and 17D-213. <i>Virus Research</i> 35: 35-41 (1995)
BO	Venugopal et al., Immunity to St. Louis encephalitis virus by sequential immunization with recombinant vaccinia and baculovirus derived PrM/E proteins. <i>Vaccine</i> 13(11): 1000-1005 (1995)
BF	Mandl et al., Complete Genomic Sequence of Powassan Virus: Evaluation of Genetic Elements in Tick-Borne Versus Mosquito-Borne Flaviviruses. <i>Virology</i> 194: 173-184 (1993)
BQ	Konishi et al., Mice Immunized with a Subviral Particle Containing the Japanese Encephalitis Virus prM/M and E Proteins Are Protected from Lethal JEV Infection. <i>Virology</i> 188: 714-720 (1992)
BR	Wolff et al., Long-term persistence of plasmid DNA and foreign gene expression in mouse muscle. <i>Mol. Genet.</i> 1(6): 363-369 (Sept. 1992)
BS	Konishi et al., Comparison of Protective Immunity Elicited by Recombinant Vaccinia Viruses That Synthesize E or NS1 of Japanese Encephalitis Virus. <i>Virology</i> 185: 401-410 (1991)
BT	Mason et al., Japanese Encephalitis Virus-Vaccinia Recombinants Produce Particulate Forms of the Structural Membrane Proteins and Induce High Levels of Protection against Lethal JEV Infection. <i>Virology</i> 180: 294-305 (1991)
BU	Falgout et al., Immunization of Mice with Recombinant Vaccinia Virus Expressing Authentic Dengue Virus Nonstructural Protein NS1 Protects Against Lethal Dengue Virus Encephalitis. <i>J. Virol.</i> 64(9): 4356-4363 (1990)
BV	Nitayaphan et al., Nucleotide Sequence of the Virulent SA-14 Strain of Japanese Encephalitis Virus and Its Attenuated Vaccine Derivative, SA-14-14-2. <i>Virology</i> 177: 541-552 (1990)
BW	Osatomi and Sumiyoshi, Complete Nucleotide Sequence of Dengue Type 3 Virus Genome RNA. <i>Virology</i> 176: 643-647 (1990)
BX	Bray et al., Mice Immunized with Recombinant Vaccinia Virus Expressing Dengue 4 Virus Structural Proteins with or without Nonstructural Protein NS1 Are Protected Against Fatal Dengue Virus Encephalitis. <i>J. Virol.</i> 63(6): 2852-2856 (1989)
BY	Falgout et al., Proper Processing of Dengue Virus Nonstructural Glycoprotein NS1 Requires the N-terminal Hydrophobic Signal Sequence and the Downstream Nonstructural Protein NS2a. <i>J. Virol.</i> 63(5): 1852-1860 (1989)
BZ	Roehrig et al., Synthetic Peptides Derived from the Deduced Amino Acid Sequence of the E-Glycoprotein of Murray Valley Encephalitis Virus Elicit Antiviral Antibody. <i>Virology</i> 171: 49-60 (1989)
CA	Zhang et al., Passive Protection of Mice, Goats, and Monkeys Against Japanese Encephalitis With Monoclonal Antibodies. <i>J. Med. Virol.</i> 29: 133-138 (1989)
CB	Hahn et al. Nucleotide Sequence of Dengue 2 RNA and Comparison of the Encoded Proteins with Those of Other Flaviviruses. <i>Virology</i> 162: 167-180 (1988)
CC	Hashimoto et al. Molecular Cloning and Complete Nucleotide Sequence of the Genome of Japanese Encephalitis Virus Beijing-1 Strain. <i>Virus Genes</i> 1(3): 305-317 (1988)
CD	Osatomi et al., Nucleotide Sequence of Dengue Type 3 Virus Genomic RNA Encoding Viral Structural Proteins. <i>Virus Genes</i> 2(1): 99-108 (1988)
CE	Zhang et al., Immunization of Mice with Dengue Structural Proteins and Nonstructural Protein NS1 Expressed by Baculovirus Recombinant Induces Resistance to Dengue Virus Encephalitis. <i>J. Virol.</i> 62(8): 3027-3031 (1988)
CF	Mackow et al., The Nucleotide Sequence of Dengue Type 4 Virus: Analysis of Genes Coding for Nonstructural Proteins. <i>Virology</i> 159: 217-228 (1987)
CG	Sumiyoshi et al. Complete Nucleotide Sequence of the Japanese Encephalitis Virus Genome RNA. <i>Virology</i> 161: 497-510 (1987)
CH	Trent et al., Partial Nucleotide Sequence of St. Louis Encephalitis Virus RNA: Structural Proteins, NS1, ns2a, and ns2b. <i>Virology</i> 156: 293-304 (1987)

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CJ	Zhao et al., Expression of Dengue Virus Structural Proteins and Nonstructural Protein NS <sub>3</sub> by a Recombinant Vaccinia Virus. <i>J. Virol.</i> 61(12): 4019-4022 (1987)
CJ	Deubel et al., Nucleotide Sequence and Deduced Amino Acid Sequence of the Structural Proteins of Dengue Type 2 Virus, Jamaica Genotype. <i>Virology</i> 155: 365-377 (1986)
CK	Kimura-Kuroda et al., Antigenic Comparison of Envelope Protein E between Japanese Encephalitis Virus and Some Other Flaviviruses Using Monoclonal Antibodies. <i>J. Gen. Virol.</i> 67: 2663-2672 (1986)
CL	Zhao et al., Cloning Full-Length Dengue Type 4 Viral DNA Sequences: Analysis of Genes Coding for Structural Proteins. <i>Virology</i> 159: 77-88 (1986)
CM	Rice et al., Nucleotide Sequence of Yellow Fever Virus: Implications for Flavivirus Gene Expression and Evolution. <i>Science</i> 229: 726-733 (1983)
CN	Seeger et al., The cloned genome of ground squirrel hepatitis virus is infectious in the animal. <i>Proc. Natl. Acad. Sci. USA</i> 81(18): 5849-5852 (Sep 1984)
CO	Kimura-Kuroda et al., Topographical Analysis of Antigenic Determinants on Envelope Glycoprotein V3 (E) of Japanese Encephalitis Virus, Using Monoclonal Antibodies. <i>J. Virol.</i> 45(1): 124-132 (1983)
CP	Roehrig et al., Identification of Epitopes on the E Glycoprotein of Saint Louis Encephalitis Virus Using Monoclonal Antibodies. <i>Virology</i> 128: 118-126 (1983)
CO	Hunt and Calisher, Relationships of Bunyamwera Group Viruses by Neutralization. <i>Amer. J. Trop. Med. Hyg.</i> 28(4): 740-749 (1979)
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\* References were not considered because the IDS fails to comply with 37 C.F.R. 1.97 and 1.98.

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U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
	81	6,265,477	12/26/00	Ivy et al.	
FOREIGN PATENT DOCUMENTS					
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
82	Alvarez et al. A Phase I Study of Recombinant Adenovirus Vector-Mediated Delivery of an Anti-erbB-2 Single-Chain (scFv) Antibody Gene for Previously Treated Ovarian and Extraovarian Cancer Patients. <i>Mam. Gene Ther.</i> 8:229-242 (January 20, 1997)				
83	Selay. The Choice of Carrier. <i>Synthetic Vaccines Volume I</i> (edited by Arnon) CRC Press Inc., Boca Raton, FL. pp. 83-92 (1987)				
84	Clarke et al. Techniques For Hemagglutination And Hemagglutination-Inhibition With Arthropod-Borne Viruses. <i>Amer. J. Trop. Med. and Hyg.</i> 7:561-573 (1958)				
85	Gruenberg et al. Partial Nucleotide Sequence and Deduced Amino Acid Sequence of the Structural Proteins of Dengue Virus Type 2, New Guinea C and PUD-218 Strains. <i>J. Gen. Virol.</i> 69:1391-1398 (1988)				
86	Heinz et al. Flaviviruses. <i>Immunochimistry of Viruses II: The Basis for Serodiagnosis and Vaccines</i> (edited by von Regenmortel and Neurath) Elsevier Science Publishers. Chapter 14, pp. 289-305 (1990)				
87	Menchal et al. Dengue Virus-Specific And Flavivirus Group Determinants Identified With Monoclonal Antibodies By Indirect Immunofluorescence. <i>Amer. J. Trop. Med. Hyg.</i> 31:830-836 (1982)				
88	Hubálek et al. West Nile Fever-A Reemerging Mosquito-Borne Viral Disease in Europe. <i>Emerg. Infect. Dis.</i> 5(5):643-650 (1999)				
89	Kohler et al. Continuous cultures of fused cells secreting antibody of predefined specificity. <i>Nature</i> 256:495-497 (August 7, 1975)				
810	Konishi et al. Avipox virus-vectored Japanese encephalitis virus vaccines: Use as vaccine candidates in combination with purified subunit immunogens. <i>Vaccine</i> 12(7):633-638 (1994)				
811	Kozak. Circumstances and Mechanisms of Inhibition of Translation by Secondary Structure in Eucaryotic mRNAs. <i>Mol. Cell. Biol.</i> 9(11):5134-5142 (November 1989)				
812	Lacmelli. Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4. <i>Nature</i> 277:580-585 (August 15, 1970)				

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B13	Lai et al. Immunization of Monkeys with Nucleovirus Recombinant-expressed Dengue Envelope and NS1 Glycoproteins Induces Partial Resistance to Challenge with Homotypic Dengue Virus. In <i>Vaccines 90: Modern Approaches to New Vaccines including Prevention of AIDS</i> , Cold Spring Harbor Laboratory, Cold Springs Harbor, NY pp. 119-124 (1990)
B14	Mason et al. Sequence of the Dengue-1 Virus genome in the Region Encoding the Three Structural Proteins and the Major Nonstructural Protein NS1. <i>Virology</i> 161:262-267 (1987)
B15	Smithburn et al. A Neurotropic Virus Isolated From The Blood Of A Native Of Uganda. <i>Am. J. Trop. Med. Hyg.</i> 20:471-492 (1940)
B16	Tardei et al. Evaluation of Immunoglobulin M (IgM) and IgG Enzyme Immunoassays in Serologic Diagnosis of West Nile Virus Infection. <i>J. Clin. Microbiol.</i> 38(6):2232-2239 (June 2000)
B17	Tsai et al. Japanese Encephalitis Vaccines. In <i>Vaccines</i> , (3 <sup>rd</sup> edition) (edited by Plotkin and Orenstein), W.B. Saunders Company, Philadelphia, PA. Chapter 27, pp. 672-710 (1999)
B18	Tsai et al. Japanese Encephalitis Vaccines. In <i>Vaccines</i> , (2 <sup>nd</sup> edition) (edited by Plotkin and Mortimer), W.B. Saunders Co., Philadelphia, PA. Chapter 24, pp. 671-713 (1994)
B19	Yang et al. A p300/CBP-associated factor that competes with the adenoviral oncoprotein E1A. <i>Nature</i> 382:319-324 (July 25, 1996)
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